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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/732,717	
	Filing Date	December 10, 2003	
	First Named Inventor	Eric Arthur Johnson	
	Art Unit	2856	
	Examiner Name	To be assigned	
Total Number of Pages in This Submission	7	Attorney Docket Number	2003-2

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
Remarks 1. TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.56 AND § 1.97 (2 pages) 2. Copy of each of references AG-BC 3. RETURN RECEIPT POSTCARD		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Anne M. Schneiderman (Reg. No. 43,095)
Signature	<i>Anne M. Schneiderman</i>
Date	May 10, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name			
Signature		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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EXPRESS MAIL NO.: ER 548 511 815 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Johnson et al.	Group Art Unit: 2856
Application No.: 10/732,717	Confirmation No.: 2035
Filed: December 10, 2003	Examiner: to be assigned
For: Sensor for monitoring environmental parameters in concrete	Attorney Docket No.: 2003-2

**TRANSMITTAL OF INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.56 AND § 1.97**

Mail Stop Amendment
Commissioner for Patents
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SIR:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 and § 1.97 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorney for Applicants hereby directs the Examiner's attention to references AA - BC listed on the attached forms PTO/SB/08A and PTO/SB/08B entitled "Information Disclosure Statement By Applicant." A copy of each of cited references AG-BC is enclosed. A copy of each of cited references AA - AF is not enclosed since each is a United States patent.

Applicants respectfully request that the Examiner review the foregoing references and that the references be made of record in the file history of the application.

Since this Information Disclosure Statement is being filed before the mailing of a first Office Action on the merits, Applicants believe that no fee is due in connection with its filing. Should the Patent Office determine otherwise, however, please charge the required fee

to Advanced Design Consulting, Inc.'s Deposit Account No. 503044.

Respectfully submitted,

Dated: May 10, 2004

Anne M. Schneiderman 3,095

Anne M. Schneiderman (Reg. No.)

ADVANCED DESIGN CONSULTING, Inc.

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Lansing, New York 14882-0187

(607) 533-3531

Enclosure: Information Disclosure Statement (4 pages) with references AG-BC

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/732,717
		Filing Date	December 10, 2003
		First Named Inventor	Eric Arthur Johnson
		Art Unit	2856
		Examiner Name	To be assigned
		Attorney Docket Number	2003-2
Sheet	2	of	4

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AG	Al-Qadi, I.L. et al. (1997) Design and Evaluation of a Coaxial Transmission Line Fixture to Characterize Portland Cement Concrete. Construction and Building Materials 11(3):163-173.	
	AH	Bariain, C. et al. (2000) Optical Fiber Humidity Sensor Based on a Tapered Fiber Coated With Agarose Gel. Sensors and Actuators B 69: 127-131.	
	AI	Budtova, T. et al. (2001) Hydrogel Suspensions as an Electro-Rheological Fluid. Polymer 42: 4853-4858.	
	AJ	Dec, A. et al. (1998) Micromachined Electro-Mechanically Tunable Capacitors and Their Applications to RF IC's. IEEE Transaction on Microwave Theory and Techniques 46 (12): 2587-2596.	
	AK	Fenner, R.L. et al. (1997) HMX2000 - A Shear/Stress MEMS Hygrometer. Detroit (Michigan) Sensors Expo '97: 13 pp.	
	AL	Fenner, R.L. et al. (2000) MEMS Humidity Sensor: Report On Test and Application. May 2000 Sensors Expo (Anaheim, California): 4pp.	
	AM	Fernanades, R. et al. (2003) Electrochemically Induced Deposition of a Polysaccharide Hydrogel onto a Patterned Surface. Langmuir 19: 4058-4062.	
	AN	Gupta, B.D. et al. (2001) A Novel Probe for a Fiber Optic Humidity Sensor. Sensors and Actuators B 80: 132-135.	
	AO	International Road Dynamics Inc., Saskatoon, Saskatchewan, Canada (2002) Concrete Maturity Monitor: Wireless Technology In the Palm of Your Hand. June 2002 (Rev A): 2 pp.	
	AP	Johnson, B. et al. (2004) Experimental Techniques for Mechanical Characterization of Hydrogels at the Microscale. Experimental Mechanics 44(1): 1-8.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Sheet	3	of	4

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	AQ	Johnson, B. et al. (2002) Mechanical Properties of a pH Sensitive Hydrogel. Society for Experimental Mechanics, 2002 SEM Annual Conference Proceedings, Milwaukee, WI: 4 pp.	
	AR	Kharaz, A. et al. (1995) A Distributed Optical-Fibre Sensing System for Multi-Point Humidity Measurement. Sensors and Actuators A 46-47: 491-493.	
	AS	Khijwania, S.K. et al. (1998) Fiber Optic Evanescent Field Absorption Sensor with High Sensitivity and Linear Dynamic Range. Optics Communications 152: 259-262.	
	AT	Kim, S.J. et al. (2003) Electrical/pH Sensitive Swelling Behavior of Polyelectrolyte Hydrogels Prepared with Hyaluronic Acid-Poly (vinyl alcohol) Interpenetrating Polymer Networks. Reactive and Functional Polymers 55: 291-298.	
	AU	Krantz, D. et al. (1999) Project Update: Applied Research on Remotely-Queried Embedded Microsensors. SPIE Proceedings 3673: 157-164 (Smart Structures and Materials 1999: Smart Electronics and MEMS, Paper No. 3672-14).	
	AV	Livingston, R.A. (1999) FHWA Fiber-Optics Research Program: Critical Knowledge for Infrastructure Improvement. Public Roads (Federal Highway Administration) 63(1) (July/August 1999): 10 pp.	
	AW	Microchip Technology Inc., Mountain View, California (2002) MCRF355/360: 13.56 MHz Passive RFID Device with Anti-Collision Feature. Publication DS21287F: 1-8.	
	AX	Microchip Technology Inc., Mountain View, California (1997) Sensor Interface : Transponder. Publication DS40160A/3_001: 3-3 to 3-4.	
	AY	Millard, S.G. et al. (2001) Coaxial Transmission Lines: Development of Test Procedures for Concrete. Journal of Materials in Civil Engineering May/June 2001: 202-208.	
	AZ	Ong, K.G. et al. (2001) Design and Application of a Wireless, Passive, Resonant-Circuit Environmental Monitoring Sensor. Sensors and Actuators A 93: 33-43.	

Examiner Signature		Date Considered	
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Sheet 4	of 4	Attorney Docket Number	2003-2

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	BA	Ong, K.G. et al. (2002) A Wireless, Passive Carbon Nanotube-Based Gas Sensor, IEEE Sensors Journal 2(2): 82-88.	
	BB	Strain Monitor Systems, Inc., San Diego, California (2000) SMG032: Dual-Peak Output Structural Health Sensors (11/2000): 1p.	
	BC	Varadan, V.K. et al. (2000) Design and Development of a Smart Wireless System for Passive Temperature Sensors. Smart Mater. Struct. 9: 379-388.	

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